ABSTRACT

A repeated "soak and dry" selectivation process for preparing a modified metallosilicate catalyst composite is disclosed comprising of a mixture of amorphous silica, alumina and a pore size controlled metallosilicate useful for alkylaromatic conversion. The process comprises (a) contacting an intermediate pore metallosilicate with an organosilicon compound in a solvent for a specific duration and then recovering the solvent, (b) combining the organosilicon compound treated metallosilicate with water and then drying the catalyst, (c), repeating the steps a) and b) above and (d) calcining the catalyst in an oxygen containing atmosphere sufficient to remove the organic material and deposit siliceous matter on the metallosilicate. In a another embodiment, when the organosilicon compound is water soluble, step (b) may be avoided.